

3.600 S. Louis County  
West Lake Sanitary Landfill

JOHN ASHCROFT  
Governor

FREDERICK A. BRUNNER  
Director



STATE OF MISSOURI  
DEPARTMENT OF NATURAL RESOURCES

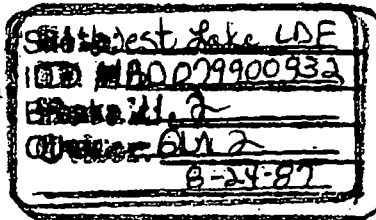
DIVISION OF ENVIRONMENTAL QUALITY

St. Louis Regional Office  
8460 Watson Road, Suite 217  
St. Louis, MO 63119  
314-849-1313

*recorded*  
Division of Energy  
Division of Environmental Quality  
Division of Geology and Land Survey  
Division of Management Services  
Division of Parks, Recreation,  
and Historic Preservation

August 24, 1987

Mr. W. E. Whitaker, President  
West Lake Landfill, Inc.  
13570 St. Charles Rock Road  
Bridgeton, Missouri 63044



**RECEIVED**  
AUG 26 1987

WASTE MANAGEMENT  
PROGRAM

Dear Mr. Whitaker:


Enclosed is a report of an inspection conducted at the West Lake Sanitary Landfill on August 20, 1987. Unsatisfactory features were detected as indicated on the report.

Please provide a written response to this office within 30 days outlining the steps taken to correct these problems.

Should you have any questions concerning this report, please contact me at the St. Louis Regional Office.

Sincerely,

ST. LOUIS REGIONAL OFFICE

  
Joe Haake  
Chief, Solid Waste Management Sub-Unit

JH:mc  
Encl.

CC: Central Office - WMP  
City of Bridgeton  
St. Louis County Health Department

40249208



SUPERFUND RECORDS

DNR 0301

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SOLID WASTE FACILITY INSPECTION REPORT

FACILITY

West Lake Sanitary Landfill  
St. Louis County  
Sanitary Landfill  
MDNR Permit # 118912

INTRODUCTION

An inspection of the West Lake Sanitary Landfill was conducted on August 20, 1987, to assess compliance with applicable requirements pursuant to the Missouri Solid Waste Management Law. Mr. Joe Haake, Environmental Specialist, represented the Missouri Department of Natural Resources - St. Louis Regional Office. Mr. Ron Darling, Environmental Control Officer, represented the St. Louis County Department of Community Health and Medical Care, and Mr. Larry Bockting represented the facility.

UNSATISFACTORY FEATURE

Exposed waste was present in the east section of Area 2 and on the north haul road slope.

DISCUSSION

Landfilling operations were being conducted at the east central section of Area 2 in the quarry pit. A large amount of uncovered waste was present in the east section of Area 2. Also, waste was exposed on the north haul road slope. Additional cover was needed on these areas.

During a period of heavy rain in July surface water backed up into the waste at Area 2. Mr. Bockting indicated that the current lift will extend to the south wall, and a dirt berm will be placed along the outside of the lift to divert all surface water toward the west side of Area 2, away from the landfilled area.

For three and one-half weeks before the inspection landfilling operations were conducted on the north section of the landfill. Extensive settling had occurred in this area, and the additional landfilling had eliminated surface water ponding and brought the elevation up to the final permitted contours. Final cover and seeding were still needed.

(2)

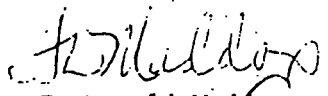
Pumping of leachate from the collection well at the north section of the landfill was discontinued during landfilling in this area. Power lines to the pumping unit had to be moved to allow refuse trucks and equipment access to the area. Pumping from leachate collection wells number 1 and 2 had not been interrupted.

The leachate holding lagoon was still black in color, but little odor was detected and evidence of algae growth was present. Four aerators were placed in the lagoon to return the water to an aerobic condition. When the lagoon turned septic in June leachate from the number 2 collection well was pumped straight to the polishing cells at the treatment plant bypassing the lagoon. Since the installation of the aerators, leachate has been directed to the lagoon prior to final treatment in the polishing cells. At the time of the inspection water from the lagoon was being removed at approximately 400 gallons per minute. The level in the lagoon had dropped since the previous inspection.

#### RECOMMENDATIONS

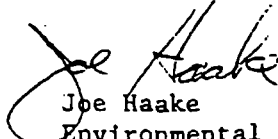
1. Apply additional cover to the east section of Area 2 and on the north slope.
2. Apply final cover and seed to the north section of the landfill.
3. Resume pumping from the north leachate well.
4. Continue to take appropriate measures to add oxygen to the leachate holding lagoon.

APPROVED:

  
F. Donald Maddox  
Regional Administrator  
St. Louis Regional Office

FDM/JH/mc

PREPARED BY:

  
Joe Haake  
Environmental Specialist  
St. Louis Regional Office

MISSOURI DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF ENVIRONMENTAL QUALITY

Annual Inspection ☒  
Reinspection ☐

SANITARY LANDFILL SURVEILLANCE RECORD

Date: 8-20-87 Days/Week Open: 6  
Name of Sanitary Landfill: WEST LAKE SANITARY LANDFILL  
Permit No: 118912 County: ST. LOUIS COUNTY  
Owner: WEST LAKE LANDFILL, INC. Operator: WEST LAKE LANDFILL, INC.  
Address: 13570 ST. CHARLES ROCK RD. Address: 13570 ST. CHARLES ROCK RD.  
BRIDGETON 63042 BRIDGETON 63042

I. Special Conditions and Approved Modifications

- A. Are there any special conditions or approved modifications of the satisfactory compliance subsections of the rules and regulations? (e.g. Impermeable barrier, limited excavation, exceptions to daily cover requirements)  
X Yes        No
- B. Is the sanitary landfill operation in compliance with the special conditions or approved modifications? (If "No," describe violations under "REMARKS.")  
X Yes        No

II. Check Types of Waste Accepted

	INDICATED ON PERMIT APPLICATION	REPORTED BY OPERATOR	AS OBSERVED
Municipal solid waste .....	<u>X</u>	<u>X</u>	<u>X</u>
Bulky waste .....	<u>X</u>	<u>X</u>	<u>X</u>
Dead animals .....			
Incinerator residue .....	<u>SPECIAL WASTE</u>	<u>X</u>	<u>X</u>
Demolition and construction waste .....			
Brush and untreated wood waste .....			
Septic tank pumpings .....			
Wastewater treatment plant sludges .....			
OTHER SLUDGES (SPECIFY)			
LIQUIDS (SPECIFY)			
INDUSTRIAL PROCESS WASTES (SPECIFY)			
HAZARDOUS WASTES (SPECIFY)			
OTHER WASTES (SPECIFY)			

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WASTE MANAGEMENT  
PROGRAM

III. Remaining Life of Landfill

- A. Estimated amount of solid waste coming through gate.  
Compacted loads 220,000 yds/wk        tons/wk  
Noncompacted loads        yds/wk        tons/wk
- B. Estimated volume of remaining landfill covered by approved engineering plans.  
       acre feet 25 years

INSPECTION FORM  
DISTRIBUTION LIST

Owner X  
Operator X  
City BRIDGETON  
County Court         
Consulting Engineer         
Solid Waste Program COWARD  
Regional Office File X  
Others ST. LOUIS CO HEALTH

IV. Satisfactory Compliance Subsections Regulations 80-3.010

Check all subsections: SAT — Satisfactory; UNS — Unsatisfactory. (If necessary describe "UNS" violations under "Remarks.")

SUBSECTION NUMBER	SATISFACTORY COMPLIANCE OPERATING PROCEDURE	SAT	UNS
(2) SOLID WASTE ACCEPTED			
(2)(C)2	Bulky solid waste crushed on solid ground and pushed onto working face near bottom of the cell.	X	
(2)(C)3	Small dead animals covered immediately with soil or solid waste. Large dead animals placed in pit and covered with four feet compacted soil.	X	
(2)(C)4	Disposal of dewatered sludges on working face along with municipal solid waste.	X	
(2)(C)5	Incinerator and air pollution control residues prevented from becoming airborne.	X	
(3) SOLID WASTE EXCLUDED			
(3)(C)1	No unpermitted waste accepted.	X	
(3)(C)2	Sign posted at entrance listing excluded wastes.	X	
(4) SITE SELECTION			
(4)(C)1	Site accessible in all weather conditions. Temporary roads provided for delivery to working face.	X	
(6) WATER QUALITY			
(6)(C)1	Surface water courses and runoff properly diverted from the landfill. Sanitary landfill construction and grading to promote rapid surface water runoff without excessive erosion.	X	
(6)(C)2	Leachate collection and treatment systems utilized where necessary to protect ground and surface water resources.	X	
(6)(C)3	No ground or surface water in contact with solid waste.	X	
(7) AIR QUALITY			
(7)(C)	No open burning without written permission of the proper air pollution agency and the Division.	X	
(8) GAS CONTROL			
(8)(C)	Implementing decomposition gas control plan as necessary to prevent problems.	X	
(9) VECTORS			
(9)(C)	Vector control programs implemented when necessary to prevent or rectify vector problems.	X	
(10) AESTHETICS			
(10)(C)1	Litter control devices utilized near working face and elsewhere as needed. Litter collected from fences, and the ground surface, and incorporated into the daily cell at the end of each day or containerized.	X	
(10)(C)2	Wastes easily moved by wind covered as necessary to prevent their becoming airborne and scattered.	X	
(10)(C)3	On-site vegetation and natural windbreaks being utilized to improve appearance and operation of the sanitary landfill.	X	

SUBSECTION NUMBER	SATISFACTORY COMPLIANCE OPERATING PROCEDURE	SAT
(10) AESTHETICS (Continued)		
(10)(C)4	Salvaged materials removed daily or stored in aesthetically acceptable containers or enclosures.	X
(11) COVER MATERIAL		
(11)(C)1	Daily cover applied regardless of weather in not less than a six inch layer. Cover material available in all weather conditions.	
(11)(C)2	Intermediate cover applied to all areas idle for more than 60 days in a layer not less than one foot after compaction.	
(11)(C)3	Final cover applied on each area as completed in a layer not less than two feet after compaction	X
(12) COMPACTION		
(12)(C)1	Adequate equipment on-site, operated daily.	X
(12)(C)1A	Solid waste spread in layers not to exceed two feet and confined to smallest practical area.	X
(12)(C)1B	Wastes compacted to smallest practical volume.	X
(12)(C)1C	Cover material compacted as much as practical	X
(12)(C)2	Preventive maintenance performed.	X
(12)(C)3	Daily task operating manual provided.	X
(13) SAFETY		
(13)(C)1	Fire extinguishers provided on oil equipment.	X
(13)(C)2	Provisions for extinguishing fires in waste, equipment, and structures.	X
(13)(C)3	Communication equipment available.	X
(13)(C)4	Scavenging prohibited.	X
(13)(C)5	Controlled access to site by established roadways and limited to hours when operating personnel are on duty.	X
(13)(C)6	Traffic controlled and directed to designated disposing points.	X
(13)(C)7	Site dust controlled for safety purposes and to prevent nuisances.	X
(14) RECORDS		
(14)(C)1A	Records of major problems and complaints.	X
(14)(C)1B	Monitoring record maintained. a. leachate sampling and analyses. b. gas sampling and analyses. c. ground and surface water analyses.	X
(14)(C)1C	Records of vector control efforts.	X
(14)(C)1D	Records of dust and litter control efforts.	X
(14)(C)1E	Records of quantity of waste handled.	X
(14)(C)1F	Records of description, sources, and volume of special wastes listed in Subsection (3)(A).	X

V. Operation Proceeding In Accordance with Approved Engineering Plans? (If "NO," describe violations under "Remarks.")

X Yes No

REMARKS EXPOSED WASTE AT THE SOUTH EAST SECTION OF THE QUARRY  
AND ON THE NORTH SLOPE.

(Attach additional sheets as necessary.)

BY

*Joe H. Harker*

SIGNATURE OF INVESTIGATOR